

Amendments to the Claims:

1. (Cancelled)

2. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus includes at least one of an acoustic indicator and an optical indicator which signals the quality of the measuring signals acoustically at least one physiological data measurement signal to a
5 wearer of the mobile measuring apparatus.

3. (Cancelled)

4. (Currently Amended) The medical measuring system as claimed in ~~claim 11~~ claim 2, wherein the ~~at least one mobile measuring apparatus optical indicator~~ includes:
a light with a plurality of colors, each color being associated with a
5 predetermined range of the ~~sensor measuring~~ at least one physiological data measurement signal quality to indicate when the quality of the ~~sensor measuring signals~~ at least one physiological data measurement signal is in each correspondingly predetermined range.

5. (Cancelled)

6. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus signals the quality of the ~~measuring signals~~ at least one physiological data measurement signal automatically.

7. (Currently Amended) The medical measuring system as claimed in claim 6, wherein the at least one mobile measuring apparatus signals the quality of the ~~measuring signals~~ at least one physiological data measurement signal when the

5 sensor is placed on another measuring site of a patient wearing the mobile measuring apparatus.

8. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus signals the quality of the ~~measuring signals when~~ at least one physiological data measurement signal in response to a substantial change in the quality of the measuring signals is detected at
5 least one physiological data measurement signal.

9. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one measuring apparatus ~~is designed to signal~~ signals the quality of the ~~measuring signals~~ at least one physiological data measurement signal on demand.

10. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus evaluates the at least one physiological data measurement signal indicative of the physiological data to be communicated wirelessly and signals the quality of the measuring signals at least one
5 physiological data measurement signal in response to the quality of the at least one physiological data measurement signal ~~from at least one of the sensors indicative of the physiological data to be communicated wirelessly by the mobile measuring apparatus~~ falling below a predetermined signal quality.

11. (Currently Amended) A medical measuring system comprising:
a data device including a display screen for displaying at least one of medical measurement values and graphs;
at least one mobile measuring apparatus which communicates
5 wirelessly with the data device via a wireless communication signal, the mobile measuring apparatus including at least one sensor for generating a ~~measuring at least one physiological data measurement~~ signal indicative of physiological data of a patient, the sensor communicating the ~~measuring at least one physiological data measurement~~ signal to the mobile measuring apparatus and the mobile measuring

10 apparatus communicating the physiological data to the data device via the wireless communication signal,

wherein the at least one mobile measuring apparatus evaluates the at least one physiological data measurement signal to determine a quality of the at least one physiological data measurement signal and signals ~~[[a]]the quality of the measuring signals at least one physiological data measurement signal~~ generated by the at least one sensor~~[[,]]the at least one mobile measuring apparatus signaling the quality of the measuring signals on the basis of an evaluation of one or more of perfusion index, transmission level, interference level, and signal form.~~

12. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one sensor includes a pulseoximeter, an ECG recorder or ultrasound measuring head.

13. (Currently Amended) A medical measuring system comprising:
~~at least one measuring apparatus including:-~~
one or more sensors designed to contact a portion of a patient to measure physiological patient data and ~~transfer~~ generate physiological patient data signals indicative of the measured physiological patient data; ~~to the measuring apparatus to be wirelessly transmitted,~~
~~an evaluating means for evaluating a measuring apparatus which receives the physiological patient data signals from the one or more sensors, evaluates the measured physiological patient data to determine a quality of the measured physiological patient data, and a signaling means for signaling signals the quality of the measured physiological patient data; and~~
a measurement display apparatus that displays physiological patient data generated by the one or more sensors, the physiological patent data being wirelessly transferred from the at least one measuring apparatus.

14. (Currently Amended) The medical measuring device of claim 13, wherein the ~~signaling means the measuring apparatus signals the quality~~ in response to the determined ~~signal~~ quality being below a threshold and generates at least one of:

5 an acoustic signal to a wearer of the measuring apparatus, and
an optical signal via a light mounted on the measuring apparatus.

15. (Cancelled)

16. (Currently Amended) A medical measurement device comprising
at least one measurement apparatus including a means for wirelessly transmitting
medical data to a remote site, one or more sensors for measuring medical data, ~~[[and]]~~
a means for determining a quality of the measured medical data from the measured
5 medical data, ~~and~~ a means for signaling the ~~signal~~-quality of the measured medical
data.

17. (Currently Amended) The medical measuring device of claim 16,
wherein the means for signaling the ~~signal~~-quality generates at least one of an acoustic
signal and an optical signal.

18. (Cancelled)

19. (Previously Presented) The medical measuring device of
claim 16, in combination with a measurement display device at the remote site which
measurement display device receives the wirelessly transmitted medical data and
displays at least a portion of the received medical data.

20. (Currently Amended) The medical measuring device of claim 16,
wherein the quality ~~signal~~ is signaled in a manner which is humanly perceivable only
locally adjacent the medical measurement apparatus and not at the remote site.

21. (Currently Amended) The medical measuring device of claim 16,
wherein the ~~evaluating and~~-determining means evaluates the measured medical data
for one or more of a transmission level, an interference level, and a signal form to
determine the quality of the measured medical data.

22. (Currently Amended) The medical measuring system of claim 13,
wherein the ~~evaluating means measuring apparatus~~ evaluates the measured
physiological patient data based on at least one of a transmission level, an interference
level, and a form of a ~~signal which carries the measured physiological patient data~~ the
5 physiological patient data signals from the one or more sensors.

23. (New) The medical measuring system as claimed in claim 11,
wherein the mobile measuring apparatus concurrently communicates the
physiological data to the data device and evaluates the at least one physiological data
measurement signal.

24. (New) The medical measuring system as claimed in claim 11,
wherein the mobile measuring apparatus evaluates a form of the at least one
physiological data measurement signal.

25. (New) The medical measuring system as claimed in claim 11,
wherein the at least one sensor includes a plurality of sensors which generate a
plurality of the physiological data measurement signals and wherein the mobile
measuring apparatus evaluates an interference level between the physiological data
5 measurement signals.